



(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
10.02.1999 Bulletin 1999/06

(51) Int Cl.⁶: H04N 5/93

(43) Date of publication A2:
03.09.1997 Bulletin 1997/36

(21) Application number: 97301354.3

(22) Date of filing: 28.02.1997

(84) Designated Contracting States:
DE GB

- Konno, Ichiro
Narashino-shi, Chiba (JP)
- Kawaguchi, Koichi
Hanamigawa-ku, Chiba-shi, Chiba (JP)

(30) Priority: 29.02.1996 JP 42713/96

(71) Applicant: SHARP KABUSHIKI KAISHA
Osaka (JP)

(74) Representative: Brown, Kenneth Richard et al
R.G.C. Jenkins & Co.
26 Caxton Street
London SW1H 0RJ (GB)

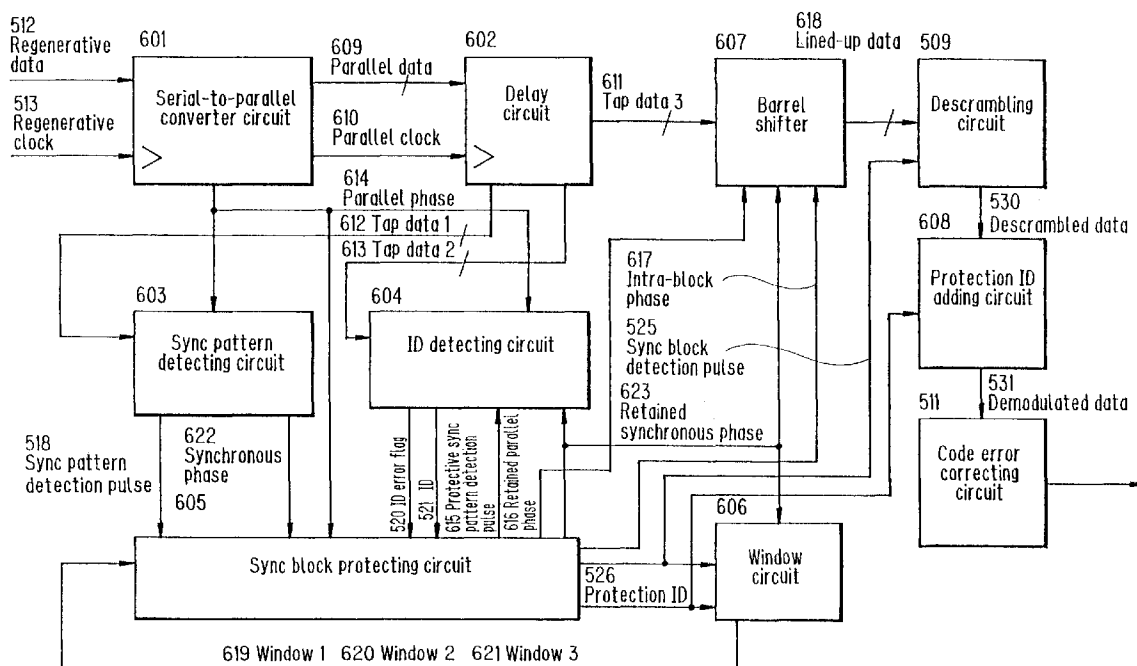
(72) Inventors:
• Aoki, Kazuya
Midori-ku, Chiba-shi, Chiba (JP)

(54) A synchronism detection and demodulating circuit

(57) A synchronism detection and demodulating circuit includes: a circuit for frequency dividing the regenerative clock in an irregular manner, a circuit for reading out the input data in a special manner based on the clock

and producing data that provides information about the readout data, and a circuit for deleting unnecessary data from the readout data based on the data providing the information.

FIG. 6





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 97 30 1354

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	EP 0 617 423 A (SONY CORP) 28 September 1994 * abstract; figures 1,2,11 * * page 7, line 9-23 * * page 2, line 8-49 * ---	1-12	H04N5/93
A	GB 2 267 799 A (SONY BROADCAST & COMMUNICATION ;SONY UK LTD (GB)) 15 December 1993 * abstract * * page 1, line 7 - page 3, line 8 * * page 6, line 16 - page 7, line 20; figure 2 * ---	1-12	
A	US 5 446 715 A (SATOMURA SEIICHIRO) 29 August 1995 * column 4, line 46 - column 6, line 38 * * column 1, line 18-24; figures 1-3,10,11 * -----	1-12	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H04N G11B
Place of search	Date of completion of the search	Examiner	
MUNICH	11 December 1998	Brandenburg, J	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		& : member of the same patent family, corresponding document	

EPO FORM 1503 03/82 (F04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 97 30 1354

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

11-12-1998

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0617423 A	28-09-1994	JP 6334644 A US 5450451 A	02-12-1994 12-09-1995
GB 2267799 A	15-12-1993	JP 6318936 A US 5502748 A	15-11-1994 26-03-1996
US 5446715 A	29-08-1995	JP 4090170 A JP 4132431 A DE 69122338 D DE 69122338 T EP 0473293 A	24-03-1992 06-05-1992 31-10-1996 13-02-1997 04-03-1992